

FIG. 4

ja yes

nein no

Nutzerinfo user information

I.1 receive S_{NK}

I.2 examination

I.3 determine GP

I.4 open user community?

I.5 unrestricted admission of other users possible

I.6 admission of other users only by invitation

FIG. 5

ja yes

nein no

II.1 determine provisional GP

II.2 identify potential community members

II.3 send S_{GA} to potential members

II.4 sufficient number of S_{GZ} received?

II.5 update NPs and GP

FIG. 6

ja yes

nein no

Nutzerinfo user information

III.1 user sends S_{GZ}

III.2 examination of inquiry

III.3 update NP and GP

FIG. 7

ja yes

nein no

IV.1 send S_{GA} to specific user

IV.2 S_{GZ} received from the user?

IV.3 update NP and GP

FIG. 8

ja yes

nein no

V.1 received PI_z

For each user of the

user community

V.2 program content selection unit checks PI_z

V.3 integrate PI_z into PNS

FIG. 9

ja yes

nein no

VI.1 receive S_{UA} for PI_g

VI.2 send S_{BA} for PI_g

VI.3 BD received from user A

BD received from user B

BD received from user X

VI.4 determine W_{GP} for PI_g

VI.5 $W_{GP} > W_S$?

VI.6 send PI_g to other users

VI.7 program content selection unit checks PI_g

VI.8 Integrate PI_g into PNS

FIG. 10

General program contents

General community-specific program contents

Program contents generated for user community

Program contents sent

5 Program contents with positive rating

Time-critical program contents

Program contents generated for user

User-specific program optimization (prioritization on the basis of NP and GP)

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Time-critical program contents

Program contents generated for user

Program contents generated for user community

Program contents with positive rating

15 Program contents sent

General community-specific program contents

General program contents